

CLAIMS

- [001] A switching device comprising a movable switching element (26) and an electrical switch (38) in operative connection to the switching element, characterised in that the operative connection between the switching element (26) and the electrical switch (38) can be separated.
- [002] The switching device according to claim 1, characterised in that the switching element (26) is a striker (48) which can be displaced linearly against a spring force.
- [003] The switching device according to claim 1 or claim 2, characterised in that the electrical switch (28) has a displaceable switching pin (36) which can be actuated by a trip cam (34) provided on the outer circumference of the displaceable striker (48).
- [004] The switching device according to any one of the preceding claims, characterised in that the striker (48) is rotatable about its longitudinal axis.
- [005] The switching device according to claim 5, characterised in that the operative connection between the switching element (26) and the electrical switch (38) can be separated by turning the striker (48).
- [006] An arrangement for detecting at least two different positions of a movable door element which comprises a switching device (20) according to one of claims 1 to 5 and the movable door element (14), characterised in that an operative connection between the door element (14) and the switching device (20) can be separated.
- [007] The arrangement according to claim 6, characterised in that the striker (48) can be brought out of the region of engagement of the door element (14) by displacement or lowering.

- [008] The arrangement according to claim 6 or claim 7, characterised in that the striker (48) can be lowered by means of a link mechanism.
- [009] The arrangement according to claim 6, characterised in that the operative connection between the switching device (20) and the door element (14) can be separated by exposing a depression (52) arranged in the door element to partly receive the striker (48).
- [010] The arrangement according to claim 9, characterised in that the depression (52) can be exposed by means of a slider (50) arranged in the door element.
- [011] A household appliance (10) comprising an electrical interior light (22) and/or further electrical loads which can be actuated by means of a switching device (20) according to one of claims 1 to 5 or an arrangement according to one of claims 6 to 10 by movement of an openable door element (14).
- [012] The household appliance according to claim 11, wherein the switching-on and switching-off function for the interior light (22) and/or for the further loads can be deactivated by separating the operative connection between the switching element (26) and the electrical switch (38).
- [013] The household appliance according to claim 11, wherein the switching-on and switching-off function for the interior light (22) and/or for the further loads can be deactivated by separating the operative connection between the switching device (20) and the door element (14).